



Erker et al.

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5,633,394 5/1997 Welborn et al. 556/11

FOREIGN PATENT DOCUMENTS

2072058	12/1992	Canada .
1337142	9/1995	Canada .
0 227 004	8/1988	European Pat. Off. .

OTHER PUBLICATIONS

Van der Linden et al., J.A.C.S., 1995, vol. 117, pp. 3008-3021.

European Search Report No. 95108411, Sep. 27, 1995.
Chemical Abstracts, vol. 119, No. 23, p. 997. Base-free
Cationic Mono . . . Olefin Polymerization.
Journal of American Chemical Society, 1995, 117,
3008-3021, Polymerization of Alpha...1-Alkynes.
P. Zdunneck et al., "Über Die Reaktion . . .", J. Organomet.
Chem., 1970, vol. 22, pp. 659-663.
M. Bochmann, "Kationische Alkylkomplexe . . .", Nachr.
Chem. Tech. Lab., 1993, vol. 41, pp. 1220-1228.
X. Yang et al., "'Cation-like' Homogeneous . . .", J. Am.
Chem. Soc., 1991, vol. 113, 3623-3625.

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[57] **ABSTRACT**

The present invention relates to zwitterionic neutral transition metal compounds. The compounds are suitable as catalyst components for the polymerization of olefins.

21 Claims, No Drawings

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U.S. PATENT DOCUMENTS

5,189,192	2/1993	LaPointe et al. .	
5,198,401	3/1993	Turner et al. .	
5,241,025	8/1993	Hlatky et al. .	
5,527,929	6/1996	Timmers et al.	556/11 X
5,594,081	1/1997	Uchino et al.	526/127
5,631,202	5/1997	Ewen	556/11 X
5,631.391	5/1997	Canich	556/11